

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P947347

Luminaire Tested: **GLAN-SB2D-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-722-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17258 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

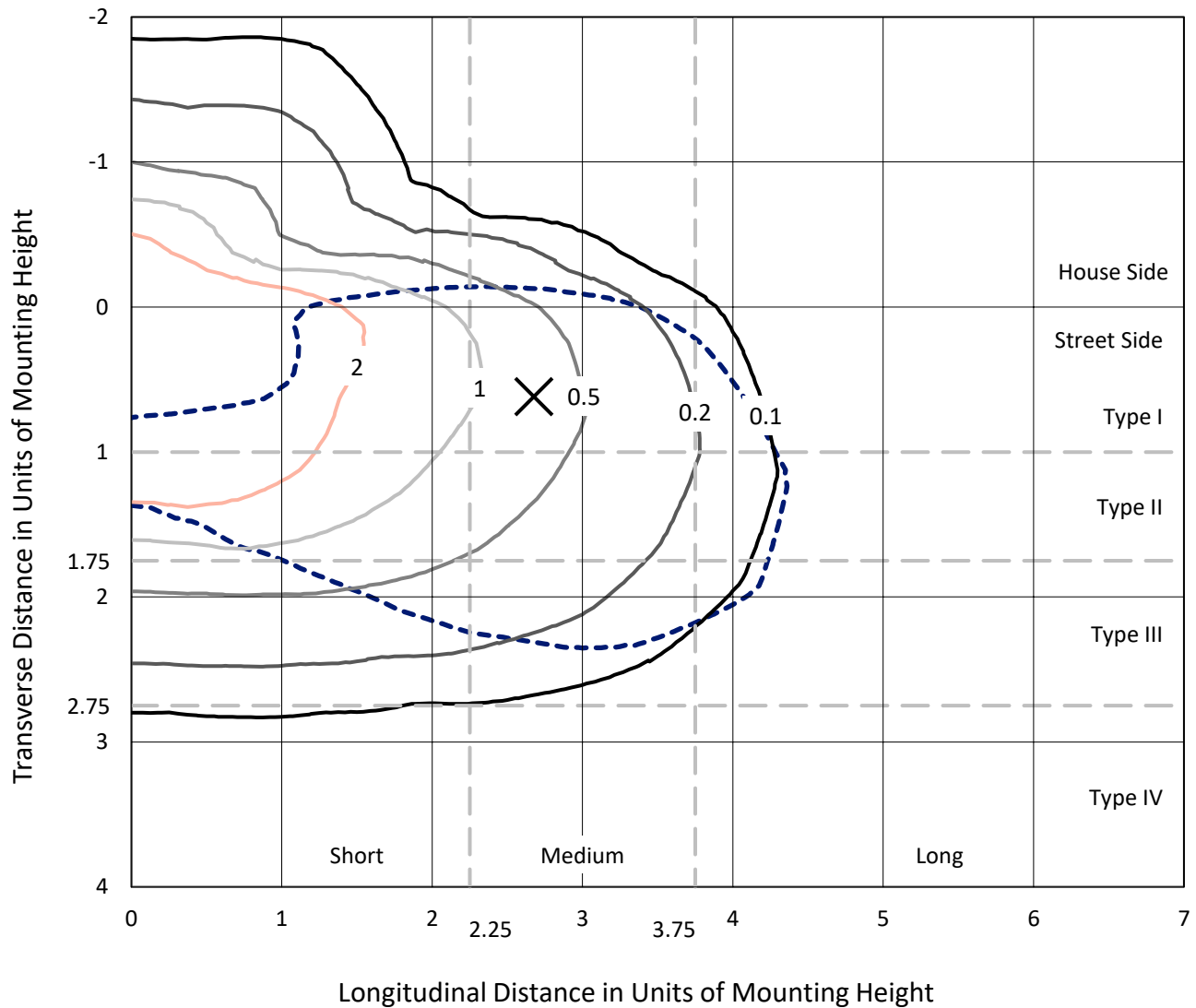


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

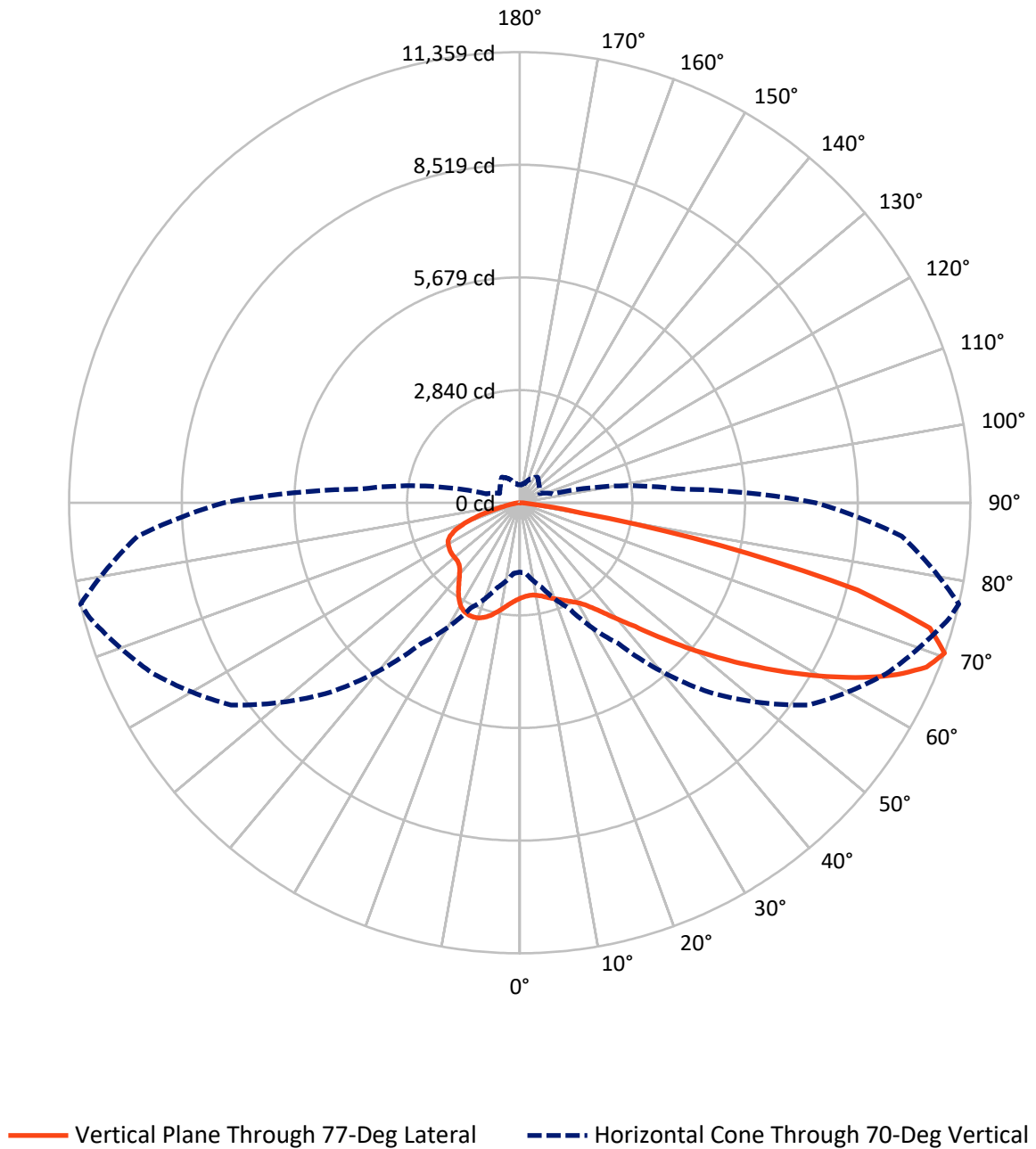


Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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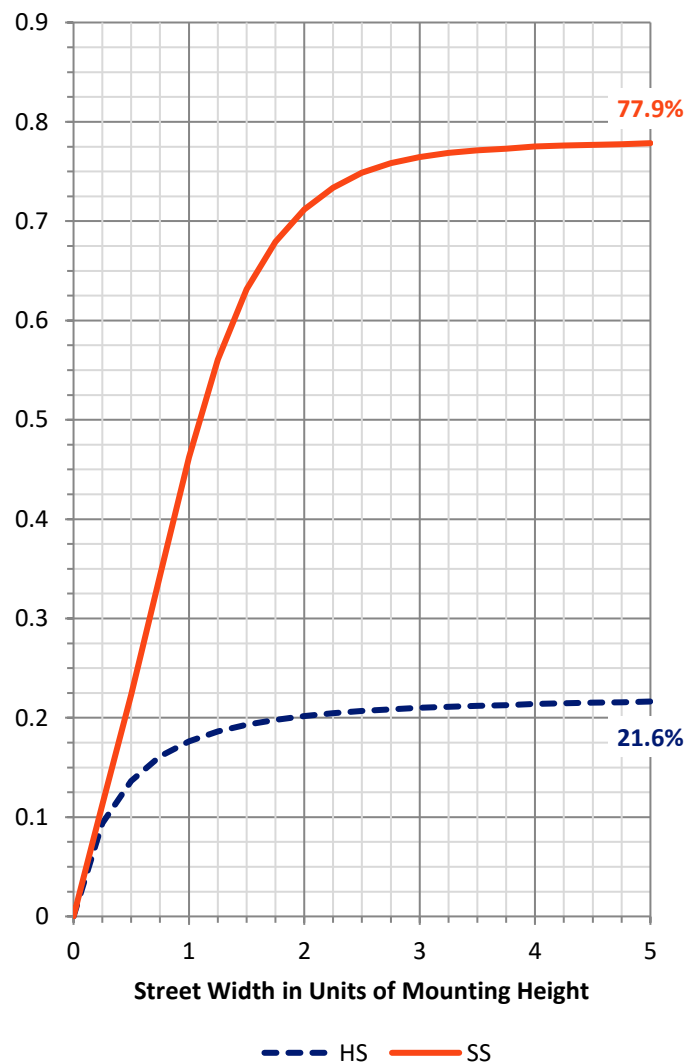
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3779.2	0.0	3779.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	13478.8	0.0	13478.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	17258.0	0.0	17258.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.6	1.3
10°-20°	662.7	3.8
20°-30°	1133.3	6.6
30°-40°	1822.5	10.6
40°-50°	2845.5	16.5
50°-60°	3800.8	22.0
60°-70°	4051.1	23.5
70°-80°	2493.8	14.5
80°-90°	218.5	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	17258.0	100.0
0°-180°	17258.0	100.0

Coefficient of Utilization



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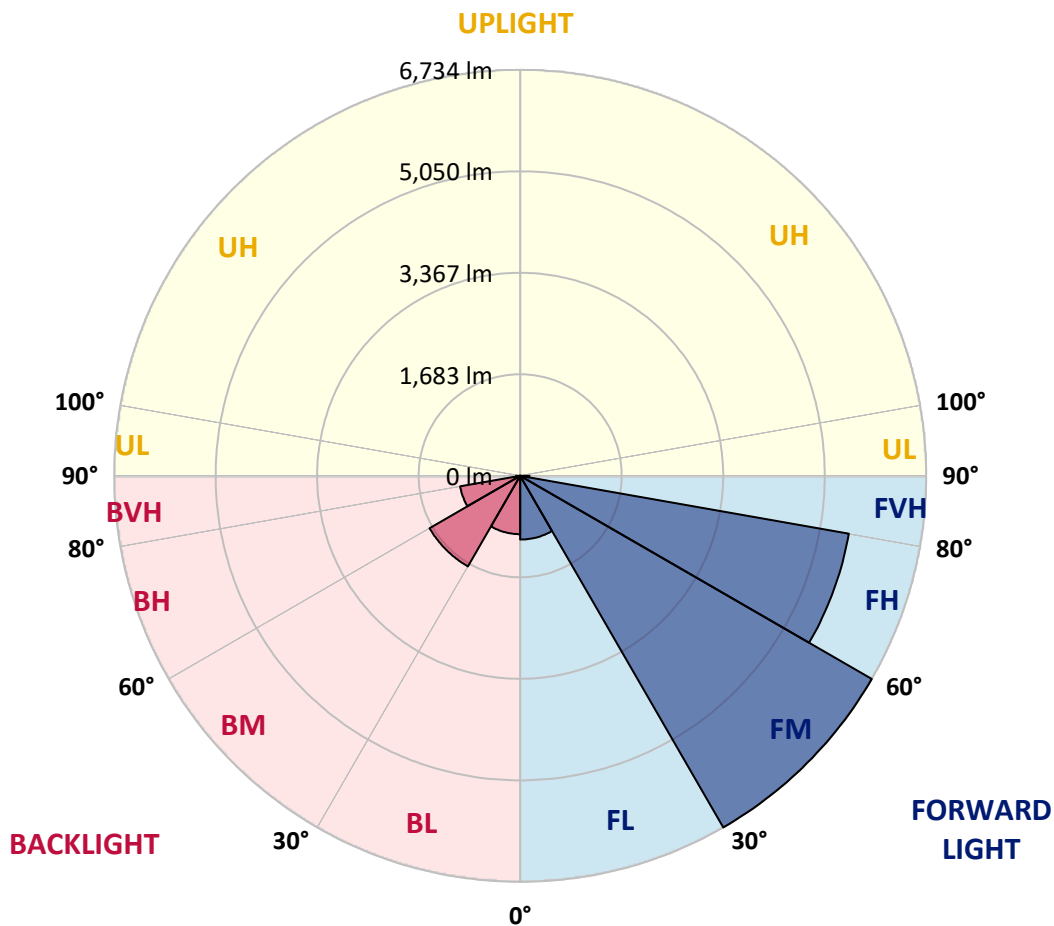
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1057.3	6.1			
FM	(30°-60°)	6733.7	39.0			
FH	(60°-80°)	5534.9	32.1			G3/7500
FVH	(80°-90°)	152.8	0.9			G2/225
BL	(0°-30°)	968.4	5.6	B2/1000		
BM	(30°-60°)	1735.1	10.1	B2/2500		
BH	(60°-80°)	1010.0	5.9	B3/2500		G3/2500
BVH	(80°-90°)	65.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6
2.5°	2219.4	2218.5	2230.0	2233.5	2254.7	2269.8	2298.0	2328.1	2367.0	2371.4
5°	2091.2	2091.2	2104.5	2118.6	2146.0	2176.1	2219.4	2271.5	2338.7	2349.3
7.5°	1982.5	1989.6	2001.1	2028.5	2060.3	2103.6	2169.9	2244.1	2332.5	2349.3
10°	1895.0	1903.0	1917.1	1939.2	1986.9	2047.0	2133.7	2229.1	2347.5	2374.1
12.5°	1867.6	1875.6	1883.5	1900.3	1944.5	2015.2	2118.6	2236.2	2383.8	2410.3
15°	1931.2	1941.0	1934.8	1930.4	1953.3	2017.9	2125.7	2261.8	2428.9	2466.9
17.5°	2078.0	2081.5	2067.4	2025.8	2022.3	2056.8	2159.3	2297.2	2485.4	2527.0
20°	2314.8	2308.7	2279.5	2197.3	2150.4	2143.4	2216.7	2350.2	2543.8	2588.0
22.5°	2636.6	2629.5	2571.2	2441.2	2336.9	2268.0	2299.8	2419.1	2609.2	2658.7
25°	3037.8	3028.1	2942.4	2765.6	2603.9	2433.3	2413.0	2510.2	2689.6	2735.6
27.5°	3506.3	3498.3	3405.5	3172.2	2938.9	2659.5	2553.5	2617.1	2773.6	2825.7
30°	4010.1	4033.1	3868.7	3617.7	3322.4	2954.8	2742.6	2748.8	2882.3	2929.1
32.5°	4602.3	4642.1	4444.1	4125.9	3722.8	3275.6	2981.3	2932.7	3040.5	3079.4
35°	5189.2	5234.2	5069.9	4718.1	4254.0	3653.9	3230.5	3143.9	3250.9	3293.3
37.5°	5696.5	5756.6	5671.8	5365.9	4822.4	4110.0	3555.8	3392.3	3509.8	3562.9
40°	6096.9	6188.8	6182.6	5991.7	5492.3	4663.3	3968.6	3699.0	3831.6	3889.0
42.5°	6422.2	6501.7	6570.7	6560.9	6191.5	5291.7	4453.8	4097.6	4198.4	4264.6
45°	6646.7	6731.5	6880.0	7040.0	6864.1	5964.3	5009.7	4570.5	4662.4	4762.3
47.5°	6847.3	6943.6	7136.3	7390.0	7435.1	6639.6	5618.7	5121.1	5205.1	5308.5
50°	6865.0	6948.1	7246.8	7606.5	7840.8	7288.4	6272.8	5738.9	5817.6	5928.1
52.5°	6438.1	6568.9	7090.4	7600.4	8027.3	7831.0	6922.4	6381.5	6469.9	6602.5
55°	4997.4	5189.2	6631.6	7363.5	7961.0	8181.9	7540.3	7064.7	7177.9	7316.6
57.5°	4304.4	4388.4	5264.3	6932.2	7658.7	8273.0	8061.7	7755.0	7937.1	8089.1
60°	3868.7	3938.5	4456.4	6261.3	7261.0	8128.9	8464.8	8398.5	8713.1	8894.3
62.5°	3402.0	3468.3	3939.4	5228.1	6751.8	7889.4	8719.3	8992.4	9508.6	9706.6
65°	2938.9	2995.4	3447.1	4392.8	6104.9	7649.9	8851.0	9506.0	10244.9	10449.9
67.5°	2422.7	2469.5	2896.4	3706.0	5318.2	7321.9	8916.4	9909.9	10885.7	11061.6
70°	1748.3	1784.5	2225.6	2930.9	4330.9	6758.0	8889.9	10196.3	11218.0	11358.5
72.5°	826.4	859.1	1377.1	1903.0	3059.1	5660.3	8353.4	9969.1	10880.4	10810.6
75°	441.0	469.3	791.1	1043.8	1615.7	3880.2	6835.8	8587.6	9136.5	8797.1
77.5°	298.7	320.8	489.7	626.7	738.0	1842.0	4393.7	5945.8	5720.4	5160.0
80°	236.9	259.9	401.3	424.3	357.1	665.6	1815.5	2752.4	1977.2	1581.2
82.5°	182.1	207.7	337.6	307.6	194.5	273.1	528.6	870.6	506.5	385.4
85°	111.4	138.8	265.2	196.2	109.6	124.6	179.4	242.2	154.7	129.0
87.5°	56.6	79.5	134.3	71.6	49.5	29.2	47.7	47.7	40.7	35.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2407.6	0°	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6	2407.6
2395.3	2.5°	2416.5	2434.2	2464.2	2492.5	2514.6	2535.8	2557.0	2568.5	2572.0	2586.2
2408.5	5°	2444.8	2477.5	2535.8	2590.6	2625.1	2646.3	2661.3	2670.2	2671.9	2676.3
2444.8	7.5°	2496.9	2549.1	2630.4	2685.2	2710.8	2709.0	2702.9	2680.8	2671.9	2664.0
2497.8	10°	2570.3	2639.2	2739.1	2777.1	2761.2	2718.8	2664.0	2599.4	2569.4	2540.2
2570.3	12.5°	2661.3	2748.8	2846.9	2845.2	2766.5	2657.8	2530.5	2431.5	2368.8	2323.7
2659.5	15°	2771.8	2872.6	2947.7	2887.6	2715.2	2519.9	2333.4	2204.4	2147.8	2098.3
2749.7	17.5°	2885.8	2993.7	3028.1	2874.3	2586.2	2315.7	2104.5	2002.8	1947.2	1920.6
2846.9	20°	2997.2	3104.1	3075.9	2798.3	2390.0	2084.2	1895.9	1840.2	1828.7	1834.9
2941.5	22.5°	3114.7	3210.2	3085.6	2651.6	2139.8	1847.3	1743.9	1745.6	1771.3	1789.8
3040.5	25°	3234.9	3299.5	3059.9	2439.5	1871.1	1673.2	1647.5	1675.8	1726.2	1762.4
3151.9	27.5°	3350.7	3379.0	3004.3	2177.0	1640.5	1548.5	1553.0	1611.3	1687.3	1737.7
3287.1	30°	3481.5	3449.7	2897.3	1881.7	1480.5	1441.6	1478.7	1546.8	1622.8	1667.9
3457.7	32.5°	3629.1	3510.7	2727.6	1608.6	1367.3	1355.8	1416.8	1461.0	1494.6	1507.9
3683.9	35°	3813.0	3596.4	2510.2	1416.8	1265.7	1293.1	1351.4	1329.3	1316.1	1309.0
3988.0	37.5°	4051.6	3712.2	2255.6	1292.2	1183.5	1248.0	1271.9	1202.9	1150.8	1125.2
4356.6	40°	4338.9	3881.9	2010.8	1195.9	1131.3	1209.1	1167.6	1084.5	1018.2	982.0
4771.1	42.5°	4658.0	4059.6	1804.9	1123.4	1102.2	1177.3	1090.7	991.7	884.7	873.3
5265.2	45°	4993.0	4242.6	1664.3	1067.7	1088.0	1149.9	1046.5	886.5	810.5	857.3
5761.0	47.5°	5327.9	4410.5	1579.5	1026.2	1081.0	1119.0	1007.6	828.2	774.3	842.3
6292.2	50°	5700.9	4560.7	1541.5	996.1	1073.0	1106.6	949.3	813.2	736.3	781.3
6842.0	52.5°	6071.3	4677.4	1513.2	966.1	1061.5	1096.9	921.0	795.5	690.3	693.0
7395.3	55°	6440.7	4753.4	1482.2	926.3	1035.9	1075.7	918.3	776.0	655.8	643.5
7980.4	57.5°	6834.9	4796.7	1444.2	882.1	991.7	1021.7	915.7	761.0	645.2	624.9
8578.8	60°	7236.2	4860.4	1394.7	828.2	932.5	957.2	909.5	755.7	639.0	604.6
9142.7	62.5°	7595.9	4882.5	1335.5	776.9	856.5	893.6	896.2	751.3	622.2	563.0
9611.1	65°	7831.9	4787.0	1232.1	718.6	774.3	828.2	870.6	736.3	592.2	533.0
9842.7	67.5°	7822.2	4514.8	1070.4	643.5	694.7	755.7	833.5	710.6	556.0	495.8
9667.7	70°	7458.1	3977.4	865.3	556.0	607.2	677.9	785.8	672.6	512.6	455.2
8596.5	72.5°	6396.5	3113.0	628.4	453.4	505.6	597.5	723.9	626.7	468.4	419.0
6353.2	75°	4569.6	1970.1	426.0	348.2	393.3	506.5	647.0	572.7	427.8	420.7
3181.9	77.5°	2334.3	941.3	282.0	254.6	274.0	399.5	543.6	511.8	434.0	347.4
905.1	80°	759.2	347.4	177.7	173.2	182.1	266.0	420.7	419.8	328.8	236.0
219.2	82.5°	242.2	149.4	115.8	111.4	106.9	167.1	293.4	332.3	221.9	149.4
78.7	85°	96.3	89.3	68.1	62.8	45.1	78.7	153.8	221.0	165.3	107.8
20.3	87.5°	35.4	35.4	18.6	13.3	9.7	26.5	41.5	66.3	94.6	55.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
2407.6
2594.1
2683.4
2665.7
2531.4
2313.1
2093.0
1928.6
1832.3
1794.2
1772.1
1750.1
1678.5
1514.9
1316.1
1131.3
984.6
884.7
882.1
874.1
814.9
711.5
652.3
627.5
607.2
563.0
533.0
498.5
460.5
416.3
396.9
309.4
208.6
148.5
110.5
54.8
0.0

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